

Low-viscous activator for the application as accelerator in MMA resins

Application: Thanks to its low viscosity, Acrydur™ Accelerator 440 is suitable as an Accelerator for MMA coating resins applied at low soil temperatures.

Characteristics: Acrydur™ Accelerator 440 may be used for the production of low-viscous coating compounds made from Acrydur™ 332 N, 418 N and 510 N in combination with mineral filling material and colored pigments. The addition of Accelerator 440 shortens the curing time and thus demonstrates a lower viscosity of the coating compound, which finally results in a good distribution at low soil temperatures.

Characteristic data:

Delivery form	liquid, slightly cloudy	
Flow time	10 - 16 sec (68°F)	DIN flow cup, 4mm
Curing	10 - 20 min (68°F)	
Density	8.3454 lb/gal	(68°F)
Flashpoint	50°F	
Shelf life	In the original container, dark at < 65°F maximum 6 months	

Processing Notes: Acrydur™ 440 is being used together with the coating compound directly on site.

Suggested
formulation:

Coating

20 ppW Acrydur™ 418 N
2 ppW Acrydur™ Accelerator 440
60 ppW colored quarz sand 15 - 30 mesh

*Smooth-
trowelled*

20 ppW Acrydur™ 418 N
2 ppW Acrydur™ Accelerator 440
60 ppW colored quarz sand 15 - 30 mesh

Processing:

Mix Acrydur™ 440 and the coating resin Acrydur™ 418 N for ca. 1 minute in a suitable vessel. Add Acrydur™ Hardener 50 W. Add dry filling material to the prepared resin compound and homogenize for 2 minutes. Apply and smooth with a squeegee and a smoothing trowel on the underground primed with Acrydur™ 112 N.

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Pot life and curing times depending on temperature:

Further coating layers with Acrydur™ must only be applied after the previous layers have completely cured.

Temperature [°F]	Hardener [Vol-%] *	Pot life [min]	Curing time [min]
+ 41	4	~ 10	~ 30
+ 50	3	~ 15	~ 25
+ 68	2	~ 7	~ 20
+ 86	1.5	~ 4	~ 18

* Hardener quantity calculated on pure resin (Hardener 50 W)

Attention: Hardener quantities below 1 Vol. % may cause polymerisation failures!

Storage:

The handling-regulations for highly flammable materials apply to methacrylate – resins. Acrydur™ resins are to be stored cool, protected against direct sunlight and preferably at temperatures of 59 - 68 °F. During storage paraffin – particles and filler – materials may precipitate. Thus before processing, containers have to be stirred up well. Please mind the advice on our safety data sheets.

Data concerning our products and devices as well as concerning our data and procedures are based on an extensive research work and an application technology experience. We obtain these results, with which we do not take over adhesion going beyond the respective single contract, in word and writing after best knowledge, reserve ourselves we however technical changes in the course of the product development. Beyond that our application technology service stands when desired for large consultation as well as for co-operation with the solution manufacturing and application technology problems for order. That does not relieve the user however to examine our data and recommendations before their use responsible for the own use. That applies - particularly for deliveries to foreign markets - also regarding the keeping of patent rights third as well as for applications and procedures, which are not expressly in writing indicated by us. The case of loss our adhesion is limited to indemnifications of same extent, as they plan our general terms of delivery and sales with lack of quality.